SONY

3-756-499-21(1)

Compact Disc Player

Operating Instructions

CDP-C801ES
CDP-C701ES

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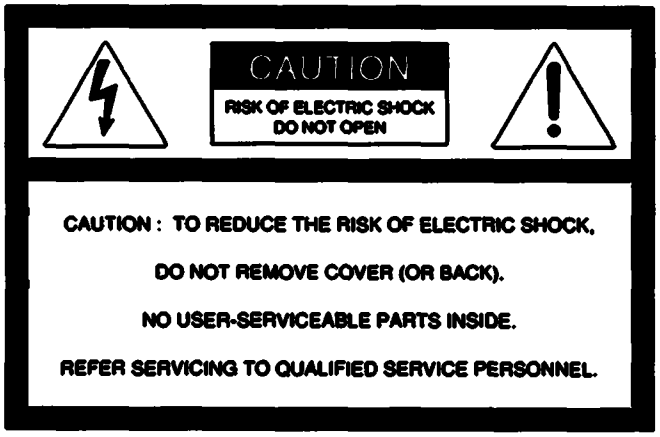
Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner's Record

The model and serial numbers are located at the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

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Convention

This indicates a function operated only from the remote commander.

This indicates a function operated only from the main unit.

Safety Precautions

Before operating the unit, please read the following precautions carefully.

Operate the unit only on 120 V AC, 60 Hz.

Stop operation immediately if any liquid or solid object should fall into the cabinet. Unplug the unit and have it checked by qualified personnel.

Unplug the unit from the wall outlet if you do not use it for a long time. Disconnect the cord by grasping the plug. Never pull the cord itself.
The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

As the laser beam used in this unit is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

The AC power cord must be changed only at a qualified service shop.

If you have any questions or problems concerning your unit, please contact your nearest Sony dealer.

Notes on handling discs
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there may be a considerable rise in the temperature.
- After playing, store the disc in its case.

Caution on adjusting volume
Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

For detailed safety precautions, see the leaflet "IMPORTANT SAFEGUARDS".

Maintenance

Cleaning Your Unit
Clean the cabinet, panel and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

Cleaning Discs
When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center outwards.

Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.

Unpacking

Choosing a Good Location

- Place the player in a location with adequate air circulation to prevent internal heat built up in the player.
- Do not place the player on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- Do not install the player:
  - near heat sources such as radiators or air ducts.
  - in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

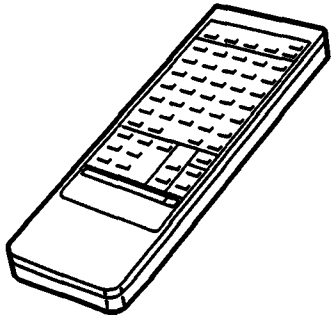
Checking the Supplied Accessories A

Make sure that all the supplied accessories are included with your player. This manual and the following items are included with your CDP-C801ES/CDP-C701ES.

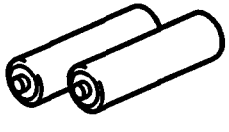
a) Audio connecting cord (1)
b) Remote commander RM-D801 (1)
c) Sony batteries SUM-3(NS) (2)
d) Screws M3 × 8 (8) (CDP-C801ES)
d) Screws M3 × 8 (4) (CDP-C701ES)

a)

b)

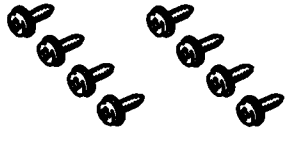


c)

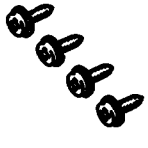


d)

CDP-C801ES

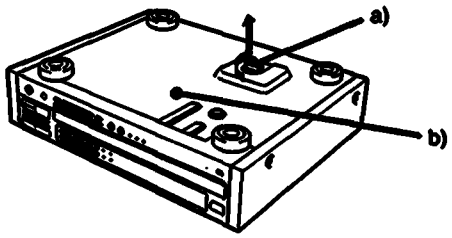


CDP-C701ES



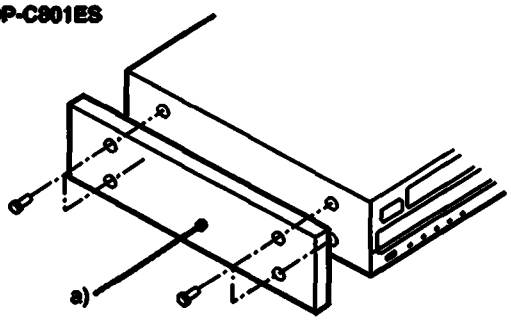
Unpacking

A

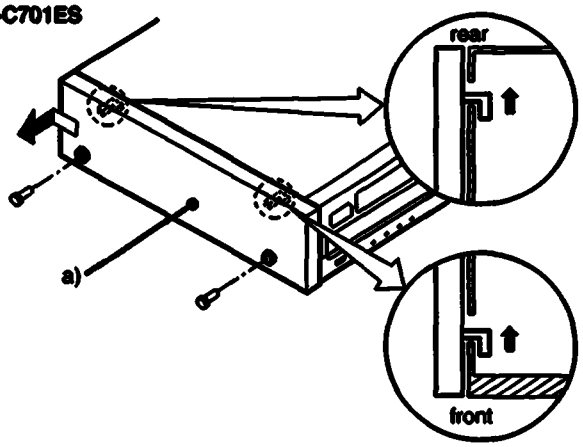


B

CDP-C801ES



CDP-C701ES



Notes on the Transit Key (and Red Lock Screw: CDP-C801ES only) A

a) Transit key
The transit key on the bottom of the player protects the optical system against shock during transportation. Before operating the player, be sure to remove the key by following the instructions on the label, and keep it in a safe place.

When transporting the player, re-install the key by following the instructions below.

1 Remove all the discs from the player
2 Press ⏏ to close the disc tray and wait for "𝒟 (or 𝒟 . 𝒟 ...)" to disappear in the display.
3 Turn the power off.
4 Insert the key into its original hole and lock it in place.

b) Red lock screw (CDP-C801ES only)
Besides the transit key, the CDP-C801ES has a red lock screw on the bottom. Before operating the CDP-C801ES, be sure to remove the transit key and red lock screw, and keep them in a safe place.

When transporting the player, re-install the screw and key by following the instructions below.

1 Remove all the discs from the player.
2 Press DISC SKIP until the DISC 1 compartment is at the front position.
3 Press ⏏ to close the disc tray and wait for "𝒟" to disappear in the display.
4 Turn the power off.
5 Re-install the red lock screw and transit key.

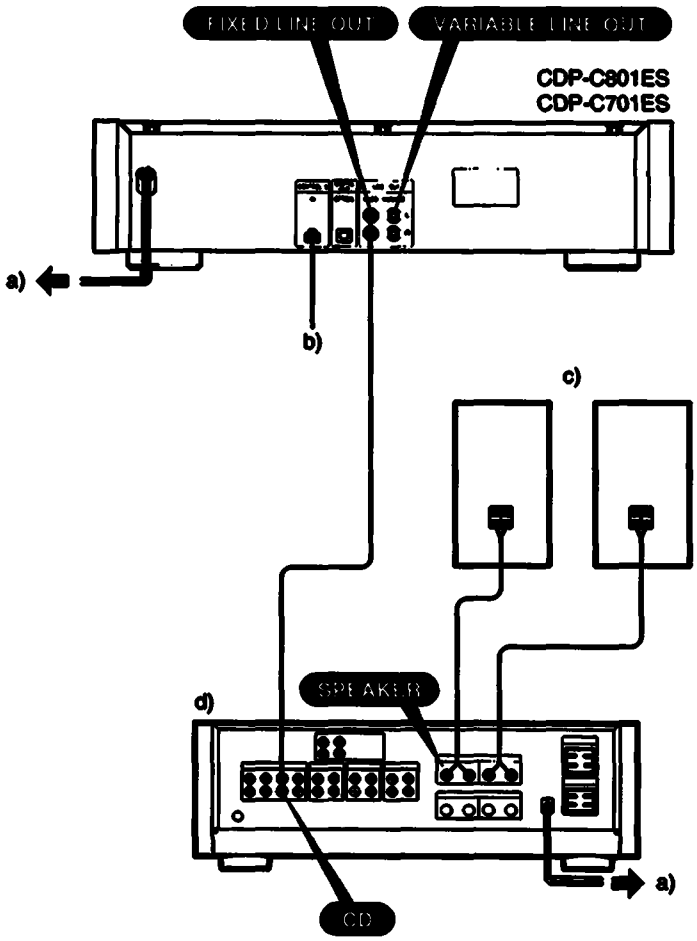
Detaching the side panels B

a) Side panel

You can use the player without the side panels. Each side panel of the CDP-C801ES is fixed with 4 screws (CDP-C701ES - 2 screws). After detaching the panels, fix the cover of the player with the supplied screws (M3 × 8). Do not use the original or other screws. For safety, before doing this, be sure to disconnect the AC power cord from the AC outlet.

Hooking Up the System

A



You can connect the player with an analog or digital input device depending on your amplifier or D/A converter.

Notes on Connection

- Turn off the power to each unit before making connections. Connect the AC power cord last. For the model supplied with a plug adaptor, use it if the plug of the power cord does not match your AC outlet.
- Be sure to insert the plugs firmly into the jacks. Loose connections may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.
- Cord plugs and jacks are color coded: Red plugs and jacks are for the right channel (R) and white ones for the left channel (L).

Connecting to an Amplifier A

a) to an AC outlet
b) CONTROL S IN
c) Speaker system
d) Amplifier

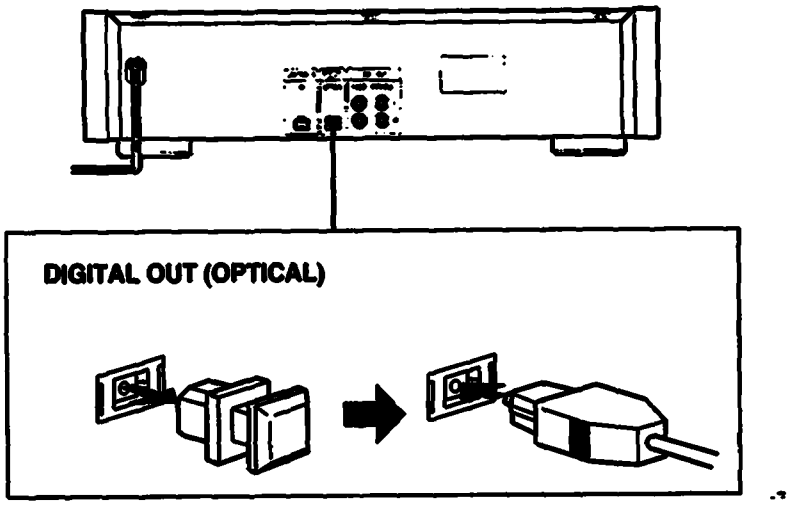
When using the LINE OUT

There are two ways of connecting with LINE OUT as follows:
FIXED: The output level is fixed.
VARIABLE: The output level can be adjusted with the LINE OUT/PHONE LEVEL control (or the LINE OUT LEVLE +/– on the remote commander.)

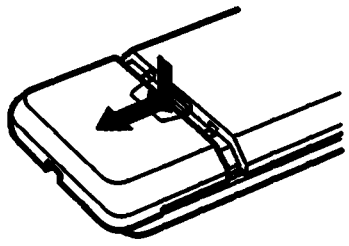
Notes on LINE OUT

- Connect your system to the VARIABLE output when using level files.
- If the LINE OUT/PHONE LEVEL control (or LINE OUT LEVEL +/–) is adjusted while recording, the recording level will change even when it is preset on the tape deck.

B



1



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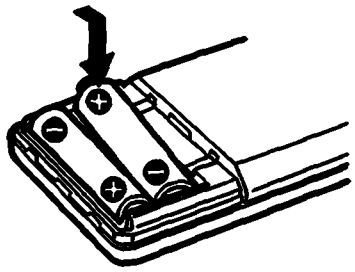


When using DIGITAL OUT (OPTICAL)

When connecting to an amplifier or D/A converter with OPTICAL IN, connect the OPTICAL IN and the DIGITAL OUT (OPTICAL) on the player with the POC-15 Audio Fiber Optical Cable (not supplied). See the figures on the left.

Take off the cap and plug in the connector firmly.

Notes on DIGITAL OUT (OPTICAL)

- When using the DIGITAL OUT (OPTICAL), the fade out, fade in, time fade, level file and DSP mode functions do not work.
- Noise may occur when playing non-music discs.

Note on the CONTROL S IN (input)

To remotely control this player through another Sony CD player, receiver or amplifier, connect the input on this player to the CONTROL S OUT on the other player, receiver or amplifier, with a CONTROL S cable (not supplied).

Inserting Batteries into the Remote Commander

1 Slide open the cover.

2 Insert two size AA (R6) batteries with correct polarity.

Battery life

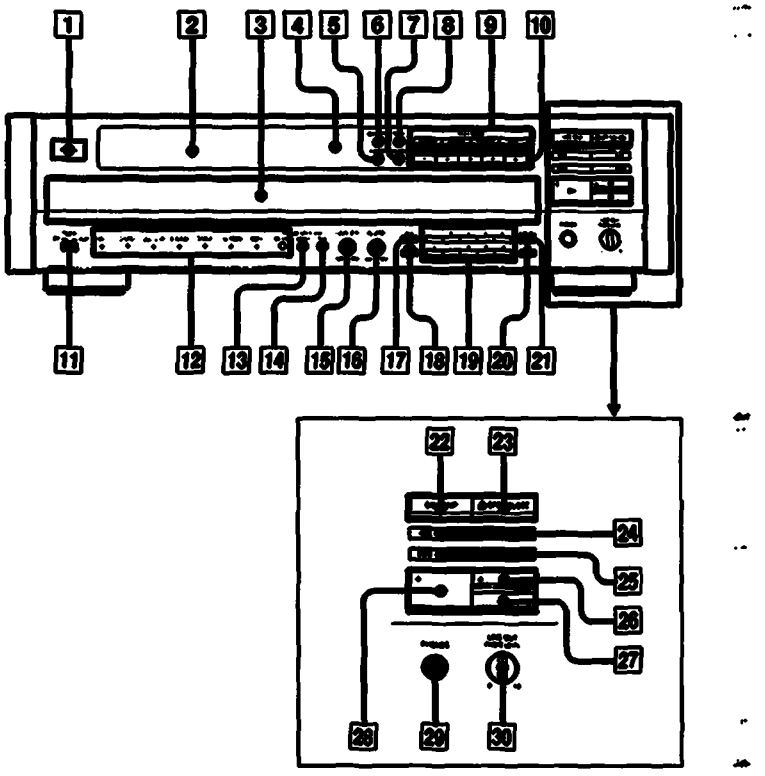
- About half a year of normal operation can be expected when using the Sony batteries SUM-3(NS).
- When the batteries are run down, the remote commander will not operate the player. In this case, replace both batteries with new ones.

Notes on remote commander operation

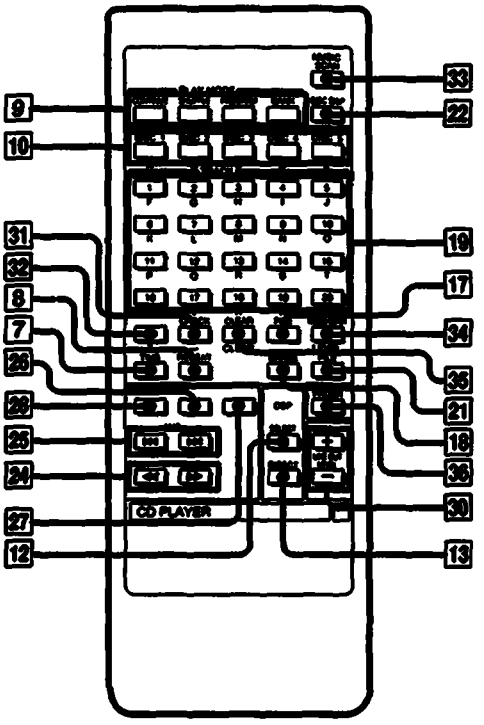
- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- Avoid exposing the remote sensor to direct sunlight or a lighting apparatus. Such exposure may cause a malfunction.
- To avoid damage caused by battery leakage and corrosion, remove the batteries when the commander will not be used for a long time.

Identifying the Parts

A



B



Front Panel A
Remote Commander B

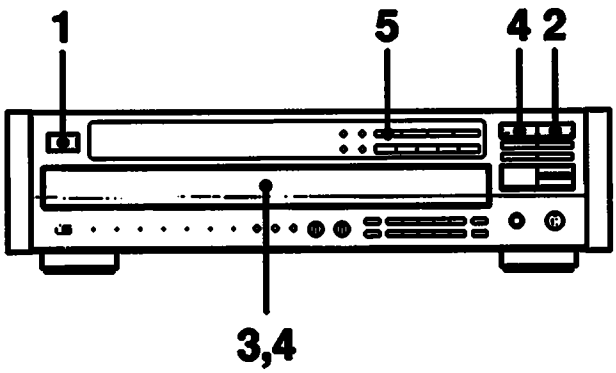
See the pages indicated in ( ) for details.

1 POWER switch (10)
2 Display (10)
3 Disc tray (10)
4 Remote sensor (8)
5 P.SEARCH button (29)
6 EDIT/TIME FADE button (24, 27)
7 TIME/MEMO button (TIME button on the remote commander) (12)
8 REPEAT button (23)
9 PLAY MODE buttons
  CONTINUE button (10)
  SHUFFLE button (17)
  PROGRAM button (18)
  BANK button (33)
10 DISC 1-5 buttons (11)
11 TIMER switch (37)
12 DSP SELECT button and indicators (16, 36)
13 DSP DIRECT button (16)
14 DSP FILE button (36)
15 DSP EQUALIZER level control (16)
16 DSP REVERB level control (16)
17 FILE button (32, 33)
18 ERASE button (30)
19 Numeric buttons (13)
20 >10 (over 10) button (13)
21 LEVEL FILE button (35)
22 DISC SKIP button (10)
23 ⏏ OPEN/CLOSE button (10)
24 ◀◀/▶▶ (manual search) buttons (13)
25 ▮◀◀/▶▶▮ (AMS*) buttons (13)
26 ▮▮ (pause) button and indicator (11)
27 ■ (stop) button (11)
28 ▶ (play) button and indicator (11)
29 PHONES jack (11)
30 LINE OUT/PHONE LEVEL control (LINE OUT LEVEL +/– buttons on the remote commander) (11, 35)
31 CHECK button (21)
32 >20 (over 20) button (13)
33 MUSIC SCAN button (22)
34 MEMO INPUT button (31)
35 CLEAR button (21)
36 FADER button (14)

Buttons with orange letters (A, B, ...) on the remote commander are for writing a disc memo (page 31).

* AMS is the abbreviation for Automatic Music Sensor.

Playing Discs – Continuous Play



In continuous play mode, you can play up to five discs consecutively.
Before playing discs, turn on the amplifier and set the input selector to the CD player position.

Playing from the First Selection

1 Press POWER.
The display lights up.

2 Press ⏏.
The disc tray opens.
The disc compartment and disc numbers (DISC 1, 2, etc.) appear.
a) Disc tray
b) Disc number
c) Disc compartment

3 Place a disc with the label side up in the disc compartment.
- Place a disc in the empty disc compartment only when it is in the front loading position. Otherwise, the player may not be able to find the disc.
- To play more than one disc, go to step 4.
- To play only one disc, go to step 5.

Notes on disc tray
- Always close the disc tray when not using the player to prevent dust from entering the unit.
- Place the disc properly in the disc compartment to prevent the disc from being damaged.

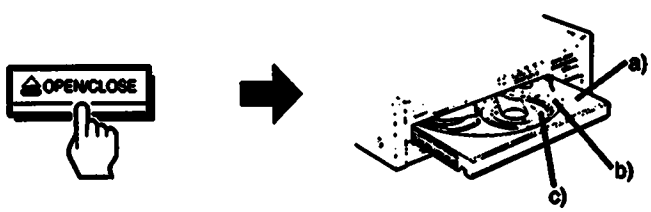
4 Press DISC SKIP to set the next empty disc compartment and place another disc in it.

5 Press CONTINUE to select ALL DISCS or 1 DISC.
Each time you press CONTINUE, the indication ALL DISCS and 1 DISC alternate in the display.
- To play all the discs loaded in the player consecutively, choose ALL DISCS.
- To play only one disc, choose 1 DISC.

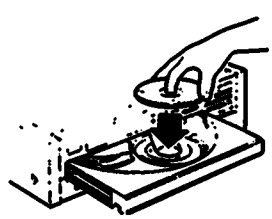
(Continued)

1

2



3



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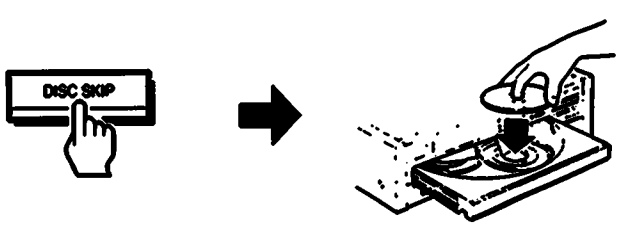

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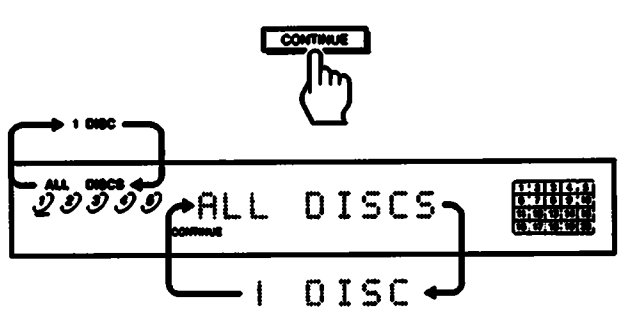
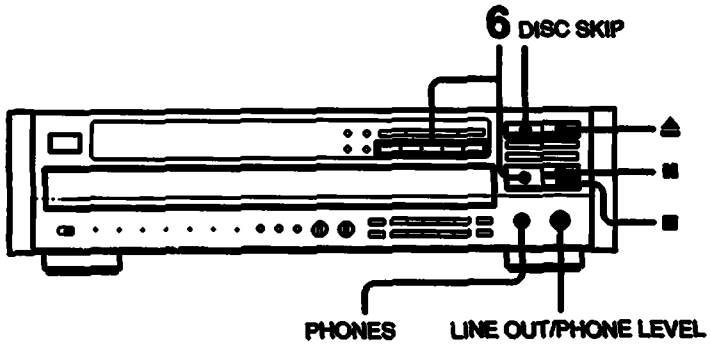
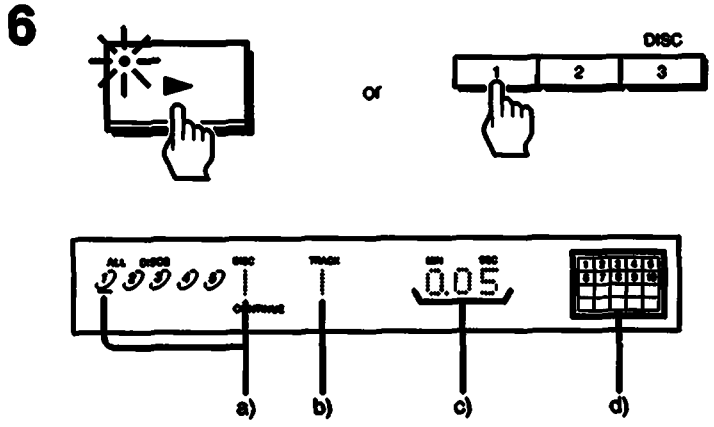






6 **Press ▶ or DISC 1-5.**
The disc tray closes to start playing the first selection.
- If you press ▶, the disc in the front loading position starts playing.
- If you press one of the DISC 1-5 buttons, the selected disc starts playing.

a) Disc number
b) Selection number
c) Elapsed playing time
d) Music calendar

When ALL DISCS is selected, all discs loaded in the player are played consecutively. If a disc compartment is empty, the compartment is skipped.

To select the disc from which the playing starts

There are two ways.
- To scan discs, press or hold down DISC SKIP.
- To select a particular disc directly, press the corresponding DISC 1-5 button.

Notes on "2 3..." in the display
- "_" under the semi circle indicates the disc is ready to be played.
  "_" moves each time you press DISC SKIP.
- When all the selections on a disc have been played, the semi-circle around the disc number disappears.
- Even if a compartment is empty, the disc number with a semi circle appears until it is set to play. Once it is recognized as empty, the number will disappear.

To stop play

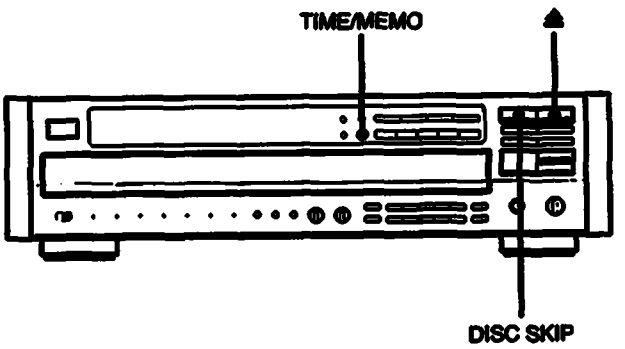
To pause during play, press ⏸.
Press ▶ or ⏸ to resume play.
To stop play, press ■.
To stop play and open the tray, press ⏏.

When listening with headphones

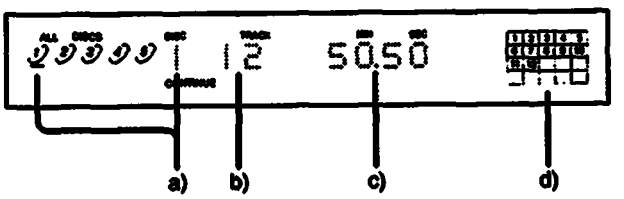
Connect the headphones to the PHONES jack and adjust the volume with the LINE OUT/PHONE LEVEL control on the player or the LINE OUT LEVEL +/– buttons on the remote commander.

To play an 8 cm (3-inch) CD

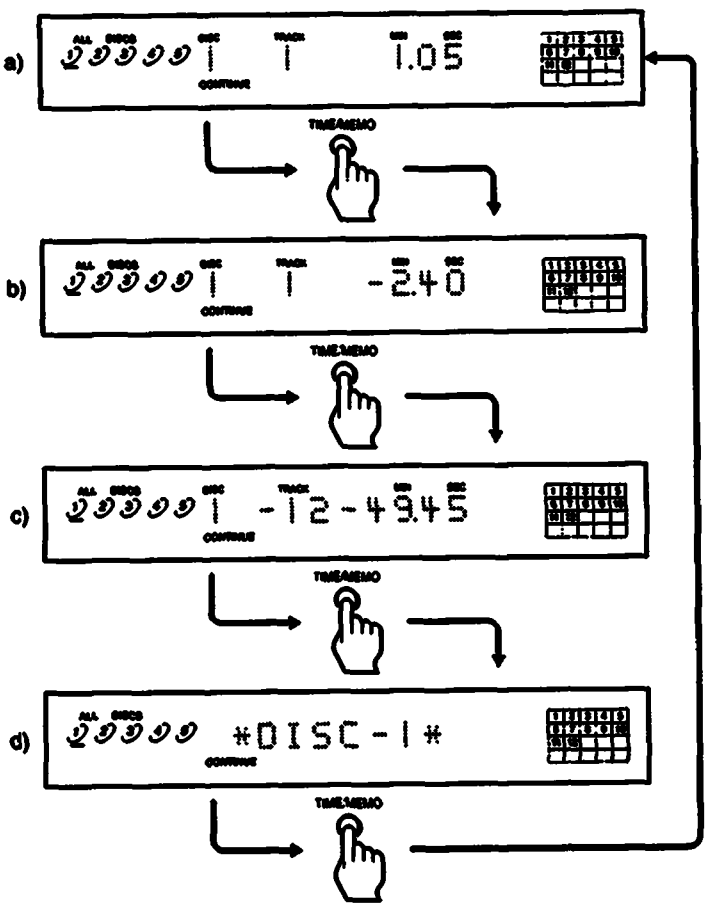
Place it in the inner circle in the disc compartment. If the disc is provided with an adaptor, first remove it. Do not put a normal CD (12cm/5-inch) on top of an 8 cm (3-inch) CD.



A



B



Information Display

Checking the total number of selections and total playing time of the disc about to be played A

There are two ways to check.

- Place the disc in the disc compartment in the front loading position, then press ⏏ or the disc tray itself to close it.
- Press TIME/MEMO (or TIME on the remote commander) during stop. To check another disc, press DISC SKIP, then press TIME/MEMO (or TIME).

a) Disc number selected to be played (current disc)
b) Total number of selections on the current disc
c) Total playing time of the current disc
d) Music calendar

This display returns to the one showing the disc number or disc memo (Fig. A-d)) after a few seconds.

Changing the display B

Each time you press TIME/MEMO (or TIME) during play, the display changes to give you the following information:

a) Elapsed time in the selection being played (current selection).
b) Remaining time in the current selection. If the current selection number is greater than 20, "– – . – –" appears.
c) Total remaining time and remaining selections on the current disc.
d) Disc number or disc memo.

Notes on the information display

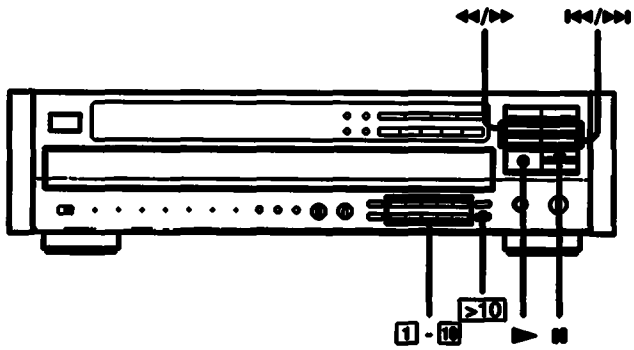
- Total remaining time is only available in the continuous play mode.
- Total remaining time will appear if the time fade function is set during program or shuffle play.
- If you have stored a disc memo (page 31), the disc memo appears in the display during stop. If the disc memo is not stored, a disc number such as "*DISC-1*" appears.

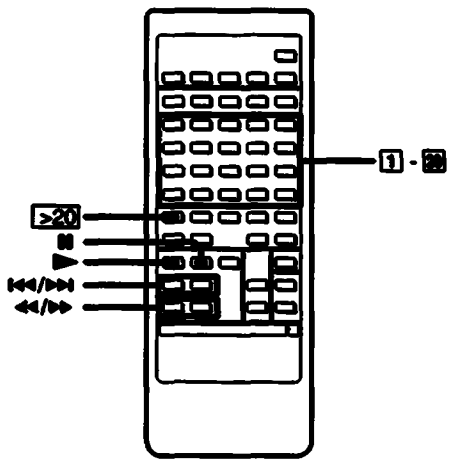
What is this indication?

-NO DISC-

This indication appears when all disc compartments are empty. The indication can be changed to a customized indication (page 31).

Playing Discs





Locating a Particular Selection

There are two ways to locate the beginning of a desired selection on the current disc.

A. To locate sequentially (Automatic Music Sensor)

- Press I◀◀ once to locate the beginning of the current selection.
- Press ▶▶I once to locate the beginning of the next selection.
- Hold down I◀◀ or ▶▶I to skip selections.

B. To locate a selection directly

Press one of the numeric buttons on the player or remote commander to enter the desired selection.
To enter a number greater than 10, use the >10 (or >20 on the remote commander) and 1 to 10 buttons.

Example:
To play from selection No.22
Press >10 (or >20) 2 2.
To play from selection No.30
Press >10 (or >20) 3 10.
10 functions as the number 0.

Locating a Particular Point in a Selection

There are two ways to locate a desired point on a disc.

A. To locate a point on the current disc while monitoring the sound

Hold down ◀◀ or ▶▶ during play.

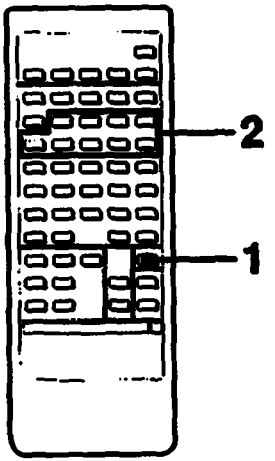
B. To locate a point the current disc quickly by watching the display

Press ■, then hold down ◀◀ or ▶▶. The search speed will increase, but there will be no sound. Find the desired point by watching the display.
Press ■ or ▶ again at the desired point to resume play.

"–OVER–" appears in the display
If you continuously press ▶▶ during play at the end of the disc, "–OVER–" appears in the display. Press ◀◀ or I◀◀ to return to the normal display.

Fade-In/ Fade-Out

Fading in and out allows you to record selections on your tape in such a manner that play starts and stops gradually. Fade-in/out cannot be done when you use the DIGITAL OUT (OPTICAL) connection.



Fading

To fade out

Press FADER on the remote commander during play at the point you want to start fading out. "FADE" flashes in the display, play fades out and the player enters pause mode.

To fade in

Press FADER during pause.
"FADE" flashes in the display, and play fades in.

Changing the Fade Time

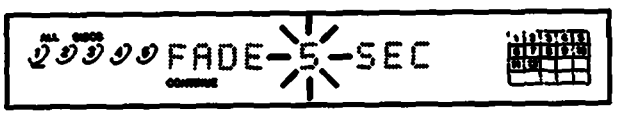
You can vary the fading time from 2 to 10 seconds while the player is stopped. When a time is not specified, play will fade in and fade out for 5 seconds.

1 Press FADER during stop.
"FADE 5 SEC" will appear in the display.
The actual fade time, "5", will flash.

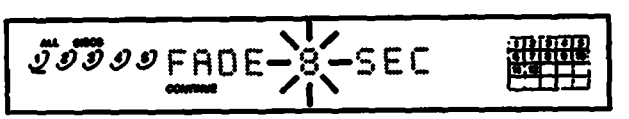
2 Press 2 - 10 to select fade time.

Example:
To set to 8 seconds, press 8.

1



2



Sound Effects

The Digital Signal Processing (DSP) lets you listen to selections with various acoustic atmospheres. DSP modes as well as DIRECT mode can be stored in the memory of the player as a custom file (page 36).

Select from the following sound processing modes.

HALL – Reproduces the acoustics of a 2,000 seat capacity concert hall.

CHURCH – Reproduces the acoustics of a church with solid walls, stained glass interior, and high roof.

JAZZ CLUB – Reproduces the acoustics of a modern jazz club.

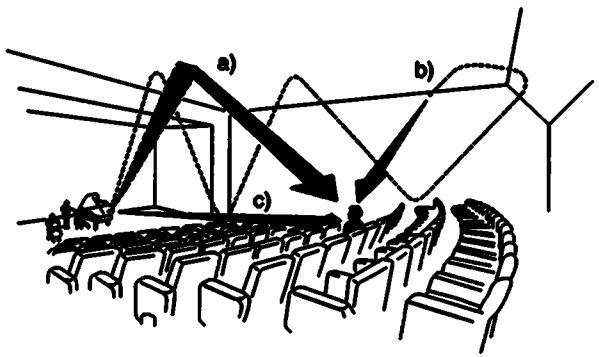
STADIUM – Reproduces the acoustics of a 30,000 seat capacity out door stadium.

DANCE – Reproduces the acoustics of a discotheque and features strong reverberation with a dynamic bass.

LIVE ROOM – Expands the sound for ideal listening acoustics in small rooms or when using headphones.

SOFT – Softens the sound for a background music effect similar to the acoustics of a hotel lobby.

A

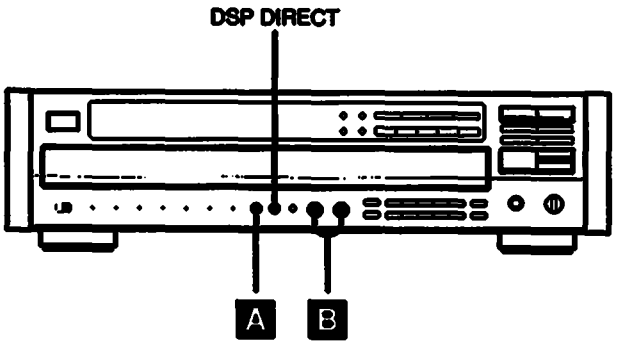


About Surround Effect A

a) Early reflection
b) Reverberation
c) Direct sound

The sound heard in a place such as a concert hall or a movie theater consists of direct sound, early reflection, and reverberation. The acoustic quality of a room depends on how these three sounds are reproduced in the room. The Digital Signal Processor (DSP) works so that you can imagine the size and the type of a room by listening to the difference in these three sounds.

Sound Effects



A

B

Selecting the Desired DSP Mode A

Press DSP SELECT repeatedly until the desired DSP mode is selected.

The DSP mode changes as follows:

HALL → CHURCH → JAZZ CLUB → STADIUM → DANCE → LIVE ROOM → SOFT →

The DSP mode select indicator lights up and the selected DSP mode appears in the display.

Clearing DSP Effect

Press DSP DIRECT.
The DSP mode indicator goes off.

Adjusting the Effect Level B

You can adjust the effect level for each DSP mode by adjusting the EQUALIZER and REVERB control on the player.

Adjusting the frequency response

Turning the EQUALIZER level control toward MAX increases the frequency response, while turning it toward MIN lowers the frequency response.

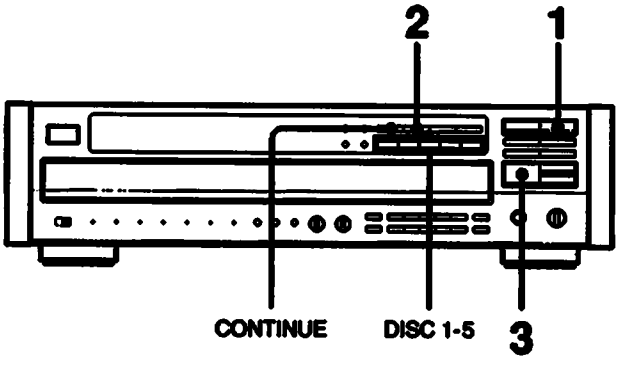
Adjusting the level of the surround effect

Turning the REVERB level control toward MAX enhances the surround effect, while turning it toward MIN reduces the surround effect.

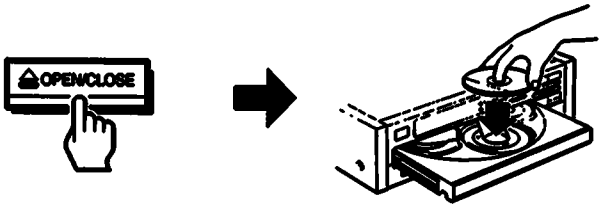
Notes

- **The DSP mode remains memorized after the power is turned off.**
- **Noise may occur when switching DSP modes or adjusting the effect level.**
- **When using the DSP mode, large outputs from the player may cause distortion from your amplifier. In this case, change the LINE OUT connections from FIXED to VARIABLE so that you can adjust the output level with the LINE OUT/PHONE LEVEL control.**
- **When connecting with DIGITAL OUT, you cannot use the DSP mode function.**

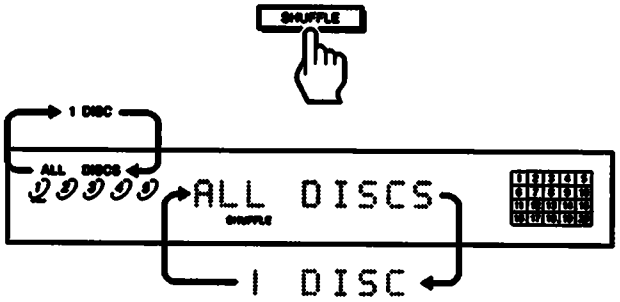
Playing in a Random Order



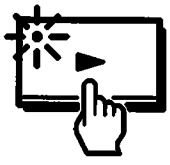
1



2



3



Shuffle play allows you to play up to 99 selections in a random order. You can play selections from all discs or only specified disc(s) in the player.

Shuffle Play on All or One Disc

1 **Place the discs in the disc compartments.**

2 **Press SHUFFLE to choose ALL DISCS or 1 DISC.**
Each time you press SHUFFLE, the indication ALL DISCS and 1 DISC alternate in the display.
- If you select ALL DISCS, the selections from all discs are played in a random order.
- If you select 1 DISC, the selections from the current disc are played in a random order.

3 **Press ▶.**
Shuffle play starts.
In 1 DISC mode, you can also use DISC1-5.

To stop play
Press ■.

To cancel shuffle play
Press CONTINUE to return to continuous play mode.

If you press SHUFFLE during continuous or program play
Shuffle play begins from the current selection.

What is this indication?
This indication appears while the player is "shuffling" the selections.

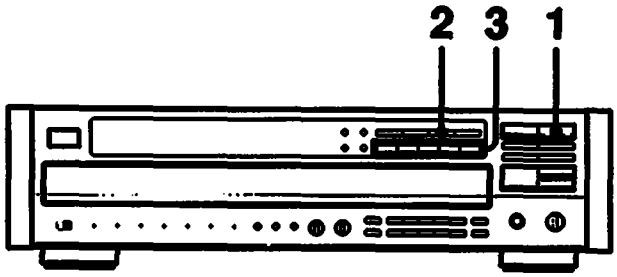
Shuffle Play on Specified Discs – Select Shuffle Play

If you specify discs before or during play in ALL DISCS shuffle mode, the selections on the specified discs only will play in a random order.

To specify the discs
Press DISC 1-5 after choosing ALL DISCS. Semi-circles appear around the selected disc numbers to be played. To cancel the selected discs, press DISC 1-5 again. The semi-circles disappear.

To return to all shuffle play
Press SHUFFLE twice.

Playing in a Desired Order



Program play allows you to play up to 32 selections in the order you program. When you want to record selections on your tape, you can program selections to be recorded on both side A and B.

Program Play

1 Place discs in the disc compartments, then press ⏏.

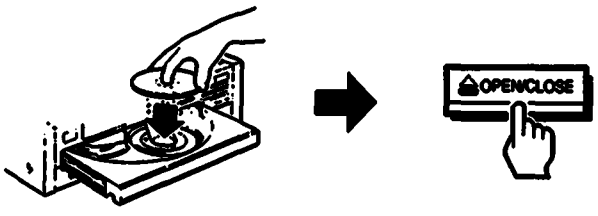
2 Press PROGRAM.
"PROGRAM" appears in the display.

3 Press DISC 1-5 to select the disc.
To program all selections on a disc in one step, continue by choosing another disc.
If you have chosen to play entire discs, go to step 6.
If you want to choose certain selections, go to step 4.

If you use DISC SKIP instead of DISC 1-5 to select the disc, press PROGRAM after that.

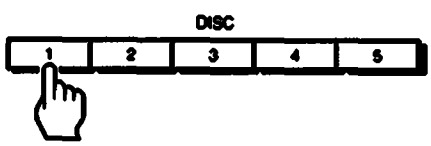
(Continued)

1

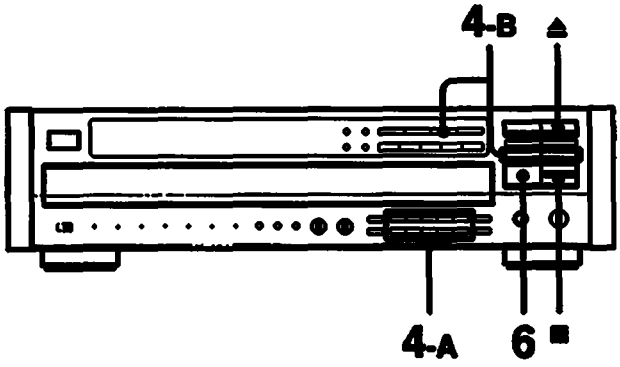


2

3



Playing in a Desired Order



4-A Press the numeric buttons in the order you want to program the selections.
"AL" in the display disappears, then the selections you choose will be programmed.
The display shows:
a) Current disc
b) Current selection
c) Total playing time
d) Chosen selections
- To enter a selection number greater than 20, see page 13.
- If you enter the wrong numbers: Each time you press CLEAR on the remote commander, the last entered number will be deleted.
- If you press DISC 1-5 again instead of entering the selection number, all the selections on the disc are programmed in the original order.

4-B To program selections while checking the total playing time (Program Edit).
1) Press I◀◀ or ▶▶I instead of the numeric buttons to choose a selection to be programmed.
2) Press PROGRAM.
The flashing number in the display lights up and the selection is programmed.

5 To program additional selections on the same disc, repeat step 4.
To program selections on another disc, repeat steps 3 and 4.

6 Press ▶.
Program play starts.

To stop play
Press ■.
You can play the same program repeatedly until you erase the program.

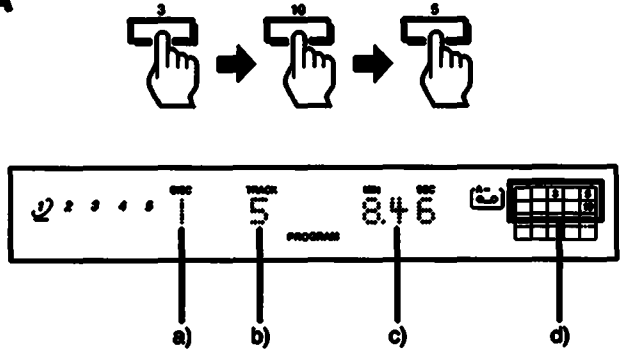
To erase the program, press
- ■ during stop.
- ⏏ or turn off the power during program play.
- one of the other play mode buttons.

If the total playing time does not appear (only "STEP" appears)
You have programmed a selection number greater than 20.

If you press PROGRAM during continuous or shuffle play
The currently playing selection will be the first one. You can program while playing.

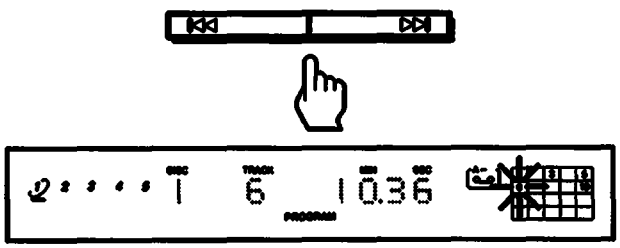
To program while observing the disc labels
You can program the selections with the disc compartment open.
Program Edit is not available.

4-A



4-B

1)

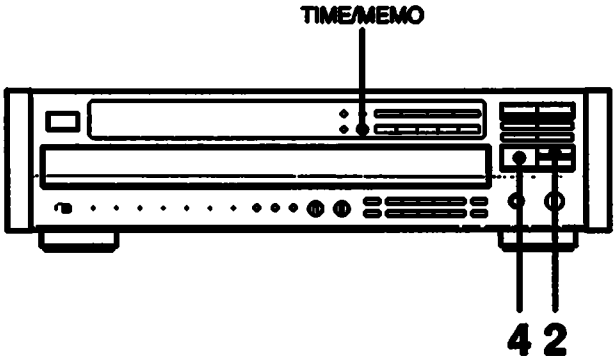


2)

6

Playing in a Desired Order

You can make a program to be recorded fit to your tape length. If you enter II at the end of program a for side A, the player automatically pauses before side A ends so that a selection is not cut off.

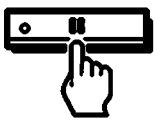


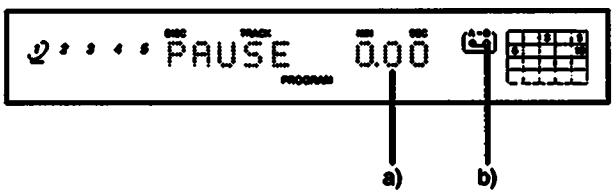
Recording Programmed Selections

1 Program the selections to be recorded on side A of your tape by repeating steps 1 to 5 on pages 18, 19.

2 Press II to program selections for side B.
The selections to be recorded on side A will be programmed.
The display shows:
a) Total playing time will return to "0.00".
b) "B" lights up.
By pressing II, a pause is programmed as a selection. The player counts pauses as selections to be programmed.

2

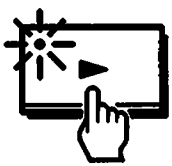




3 Program the selections for side B.
Repeat steps 1 to 5 on pages 18, 19.

4 Start recording on the cassette deck, then press ▶.
Program play starts.

4



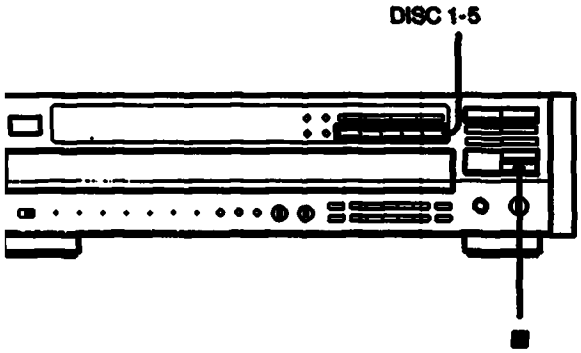
To play the selections for side B

Play automatically pauses at the point a pause is programmed. Set the tape to the beginning of side B, then press ▶ or II. The selections for side B will start playing.

To check the remaining time

Press TIME/MEMO (or TIME) once to see the remaining time on the current selection, twice to see the disc memo or disc number; once more to return to the initial display. The total remaining time does not appear in program mode. If the current selection number is greater than 20, "– – . – –" appears instead of the remaining time on the selection.

Playing in a Desired Order



Checking Your Program

Press CHECK. The first selection in the program appears. Each time you press CHECK, the next selection in the program appears. When CHECK is pressed after the last selection, "–END–" appears and then the display returns to the initial display. One of the tape indicator "[A]" or "[B]" appears when the program for side A or B is being played or checked.

Changing Your Program

To delete the last selection

Press CLEAR during stop. Each time you press CLEAR, the last selection in the program will be deleted.

To delete a selection

Press CHECK repeatedly until the selection you want deleted is displayed. Then press CLEAR.

To add selections to the end of the program

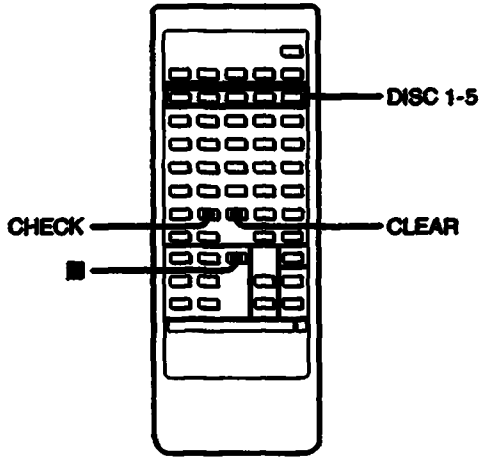
Press DISC 1-5 to select the disc and press the numeric buttons for those selections. You can do this during stop, play or pause.

To change the order

Press ■ during stop to erase the program. Then repeat the programming procedure from the beginning.

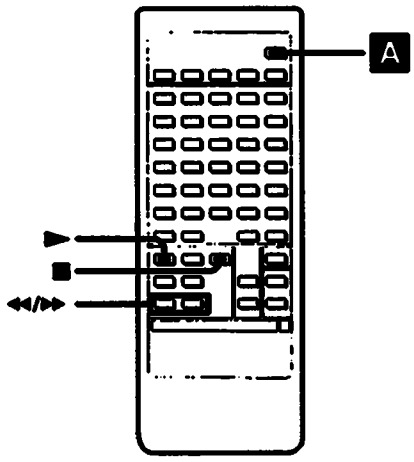
To memorize a program

You can have the player memorized programmed selections for each disc. See page 33.

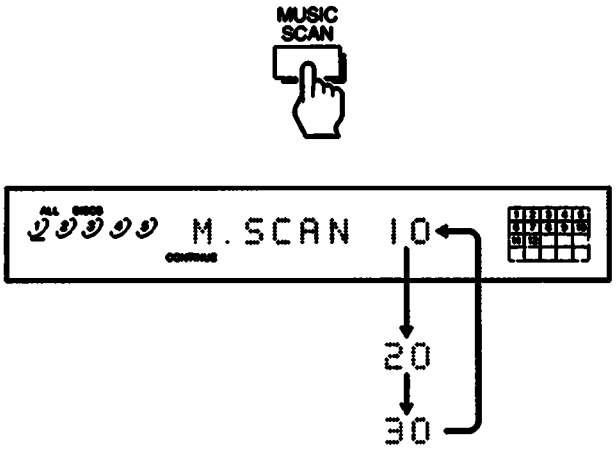


Playing the Beginning of Each Selection

You can sample the beginning of each selection on a disc. You can also check the beginning of the first selection on each disc loaded. This is useful to check selections in a disc or discs loaded in the player.



A



Music Scan Play A

Press MUSIC SCAN on the remote commander during stop.
Each time you press MUSIC SCAN while "M.SCAN" is displayed, the playing time of each selection changes cyclically from 10 to 30 seconds. The indicator on the ▶ button flashes and the beginning of each selection is played for the designated period.

To check the selections on the current disc

Press MUSIC SCAN in 1 DISC continuous play mode.

To check the first selection on each disc

Press MUSIC SCAN in ALL DISCS continuous play mode.

If you press MUSIC SCAN in program play mode

The beginning of each selection plays in the programmed order. At this time the programmed pauses are ignored.

To stop music scan play

Press ■.

To start play while a selection is being introduced

Press ▶. The indicator on the ▶ button lights up and normal play starts.

If you press MUSIC SCAN while a selection is being introduced

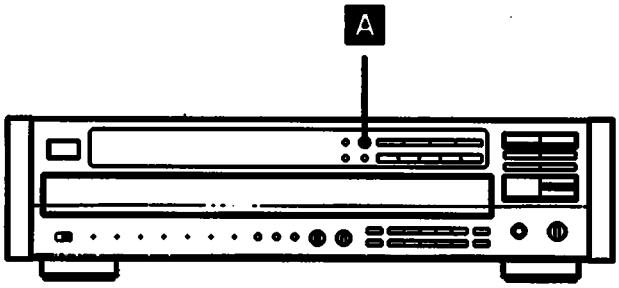
The playing time of the selection is extended by 10, 20 or 30 seconds.

If you press ◀◀ or ▶▶ during music scan

Music scan is cancelled and normal play starts

Playing Repeatedly

Repeat play allows you to repeat selections in any play mode. You can repeat all discs, only desired discs, one selection, or programmed or reshuffled selections.



Repeat Play A

a) To repeat all selections

Press REPEAT once. "REPEAT" appears in the display. The player will repeat in the current play mode.

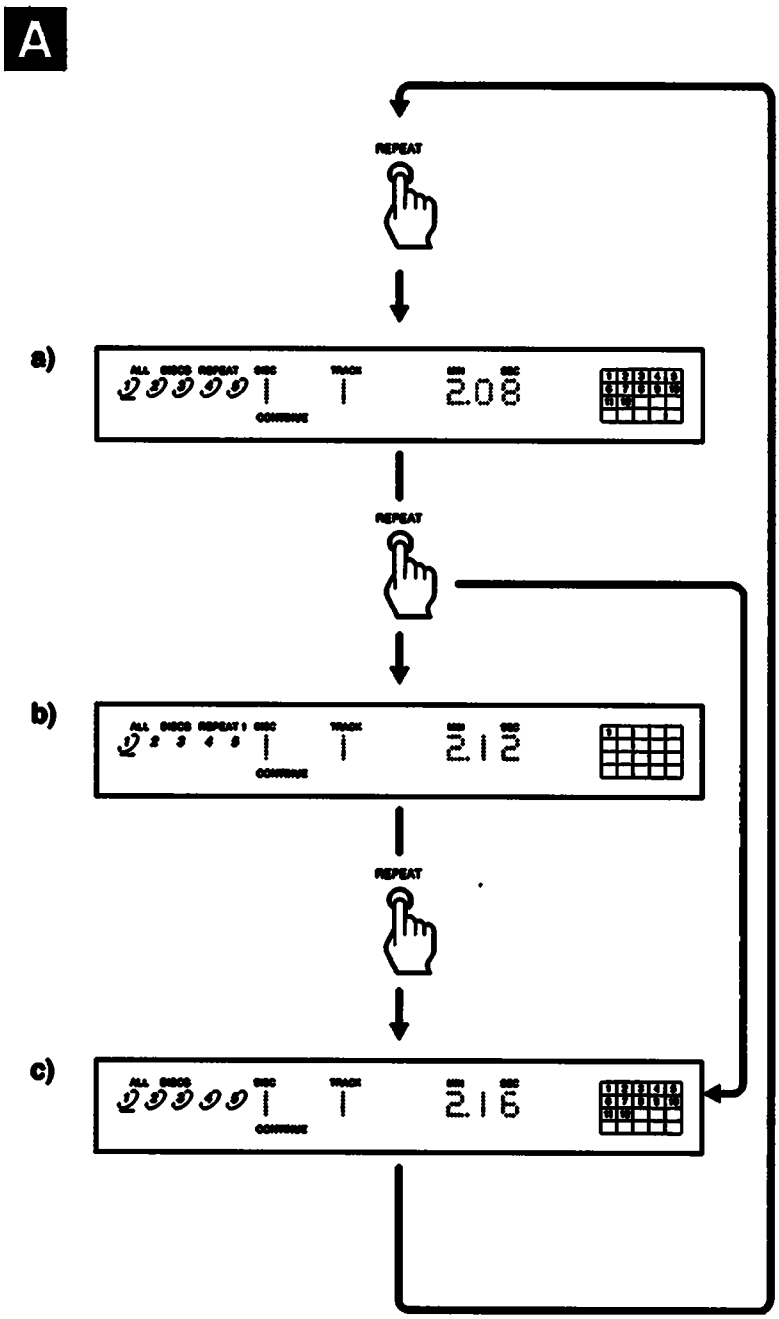
Playing mode	Selections to be repeated
Continuous play (ALL DISCS)	All selections on all discs
Continuous play (1 DISC)	All selections on the current disc
Shuffle play (ALL DISCS)	Selections on all discs (ALL DISCS) that the player reshuffles
Shuffle play (1 DISC)	Selections on the current disc that the player reshuffles
Program play	All the selections in the programmed order
Bank play	All selections stored in the bank in their programmed order (or all selections if the disc does not have a bank file).

b) To repeat the current playing selection (only during continuous play)

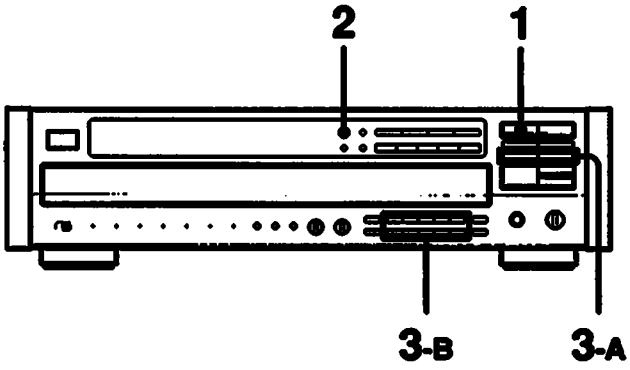
Press REPEAT during repeat play. "REPEAT 1" appears in the display. (Not operable during shuffle or program play.)

c) To cancel repeat play

Press REPEAT repeatedly until "REPEAT" or "REPEAT 1" disappears. "REPEAT OFF" appears.



Designating the Total Playing Time – Time Edit



If you designate the total length of your tape, the player will accordingly program selections to be recorded on sides A and B of your tape. This function edits selections on your tape without changing their original order on your disc, choosing the last selection(s) that fit the remaining length of your tape.

After each step, you can see the proper operating guide of what you should do next. (See page 26 ⬛.)

Programming

If you want to edit particular selections on your tape in preference to the others, program those selections beforehand (pages 18, 19).

1 Press DISC SKIP to select the disc to be played.

2 Press EDIT/TIME FADE.
"EDIT" appears in the display.

3-A
Specify a commercially available tape length.
Each time you press ▶▶I, the display changes to give you the following duration:

→ --.-- → C-46 (23.00 min) → C-54 (27.00 min)
C-90 (45.00 min) ← C-74 (37.00 min) ← C-60 (30.00 min) ←

By pressing I◀◀, you can reverse the above cycle.

3-B
Specify any tape length for one side of your tape.
Use numeric buttons 1 - 10. Press 10 for "0". You need not press keys for seconds, unless required.

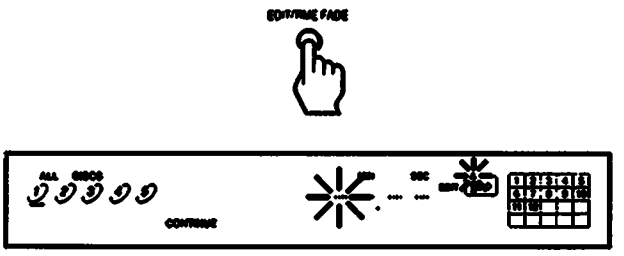
Example:
To set to 23 minutes 15 seconds, press 2 3 1 5.

Note
The duration can be set from 10 seconds to 59 minutes 59 seconds

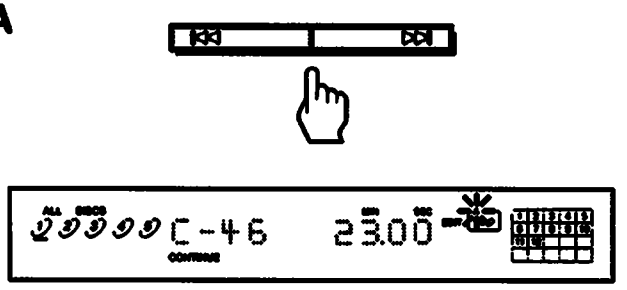
(Continued)

1

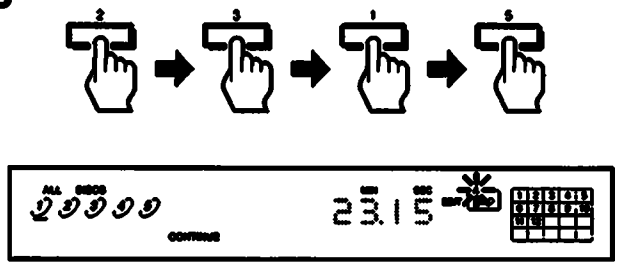
2



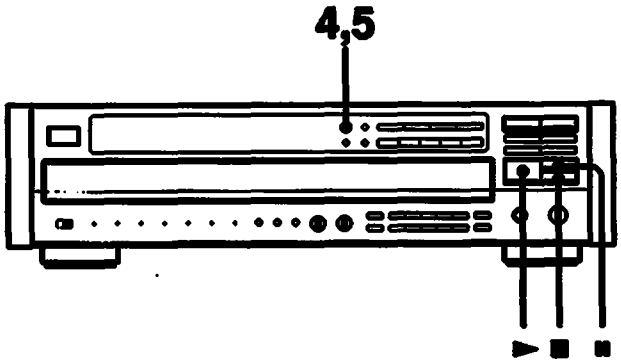
3-A



3-B



Designating the Total Playing Time



4 Press EDIT/TIME FADE once after specifying the recording time.
The selections for side A are determined automatically. "EDIT" and "A" light up. "B" flashes.

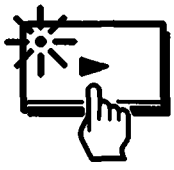
5 Press EDIT/TIME FADE once more, to make a program for the other side of your tape.
If "LINK" flashes, see "Adding Selection(s) – LINK edit".

6 Start recording on the cassette deck, then press ▶.
The selections for side A will play and then the player will pause. "B" lights up in the tape side indicator. Set the tape to the beginning of side B, then press ▶ or ■.

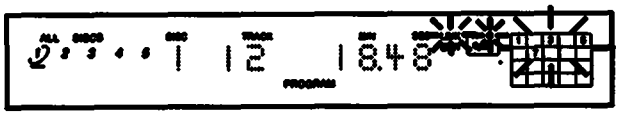
4

5

6



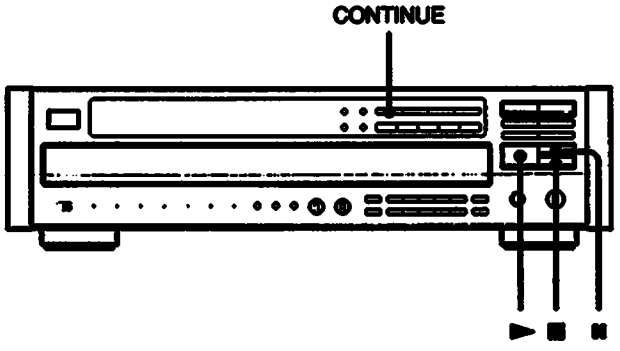
A



Adding Selection(s) – LINK edit

After all selections on the disc have been programmed, if there is (a) selection(s) shorter than the remaining time, "LINK" and the selection numbers will flash (see Fig.). To add a selection, press the numeric button for the selection number or press EDIT/TIME FADE again. When pressing EDIT/TIME FADE, a program will be made automatically to fit the playing time as close as possible to the remaining time. If enough time remains to fit more selections, "LINK" and the selection numbers keep flashing. When "LINK " flashes , if you select another disc using DISC SKIP, the new selection number(s) on the new disc that fit in the remaining time will flash. "EDIT" disappears when the rest of the playing time is less than 1 minute. Whether "LINK" is flashing o not, you can replace the disc with another disc and choose selection(s) to fit the remaining time. If you don't add any selection(s), press ■. "EDIT" disappears.

Note
Playback can be performed when "EDIT" appears.



To stop play
Press ■.
You can play the same program repeatedly as long as you do not cancel time edit or erase the program.

To cancel time edit
Press CONTINUE to return to continuous play mode. The program will be erased.

To erase the entire program
Press ■ during stop. Press ■ twice when "EDIT" appears in the display during stop. The program is also erased when you turn off the player or press ⏏.

To check your program
See page 21.

If your disc has more than 20 selections
Selections over number 20 cannot be programmed with the time edit function.

You cannot edit selections in the following cases:
- If you have programmed up to 32 steps (i.e. selections plus pauses).
- If you have programmed selections whose playing time exceeds one hour.

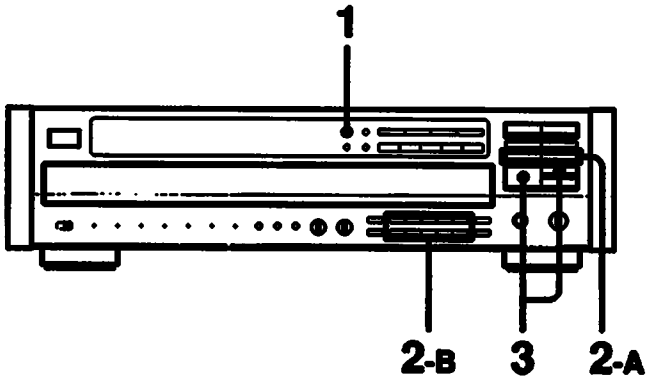
To designate a different time for each side
Follow steps 1 to 4 on pages 46, 46, and press ■. Then repeat steps 2 and 4. Do not follow step 5.

Edit Navigation Display ■
1) Press I◄◄/►►I or one of the numeric buttons (1 ~ 10) to set the recording time.
2) Press EDIT/TIME FADE to edit Side A or B.
3) Either add by using the numeric buttons (1 ~ 20) or change the disc by pressing DISC SKIP.
   This message means that all the selections are programmed and more can be programmed (Link edit).
4) 1'22" remains but no selection from the disc can be accommodated.
   Press the EDIT/TIME FADE to end.
   This message means you can assign the selection from another disc for more than 1 minute after the selections for side B are programmed. Place another disc, the unit search the selection within the allotted time. If the selection is on the disc, the selection number appears on the display with the link edit function.
5) Editing is done.

A

1) PRESS [AMS] OR [1-10]
2) PRESS [EDIT] FOR SIDE-A
3) ADD TRACK BY [1-20] OR [DISC SKIP]
4) SPACE LEFT 1.22 PRESS [EDIT] TO FINISH
5) - FINISH -

Fading Out at the Desired Time – Time Fade



You can have play fade out at the end by specifying the play duration. Once the time fade is set, it functions twice for editing both sides of a tape. You can change discs without cancelling this function. The fade time is preset to 5 seconds, but you can change it to last from 2 to 10 seconds (page 14). You cannot use the time fade function when you use the DIGITAL OUT for connection.

Setting Time Fade and Playing

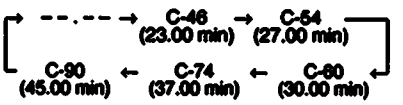
1 **Press EDIT/TIME FADE twice during stop.**

"[EDIT]" and "[TIME]" appear in the display.

2-A

Specify a commercially available tape length.

Each time you press ▶▶I, the display changes to give you the following duration:



By pressing I◀◀, you can reverse the above cycle.

2-B

Specify any tape length for one side of your tape.

Set the desired play duration using numeric buttons.

Example:

To set to 27 minutes 15 seconds, press [2], [7], [1], [5].

You need not press buttons for seconds, unless required.

Note

The duration can be set from 10 seconds to 59 minutes 59 seconds.

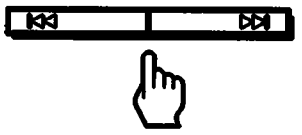
3 **Press ▶.**

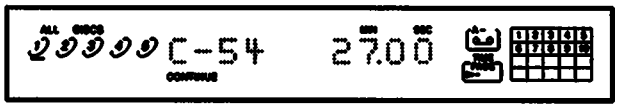
Play starts.

After the specified time, play fades out and pauses. Tape side B lights up. Press ▶ or II to resume playing for the other side of the tape. If you press FADER, fade in will start. When play fades out for the second time, the player pauses and the time fade function is cancelled.

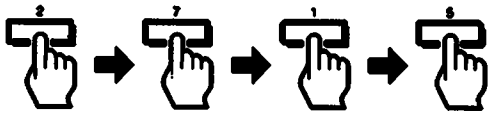
1

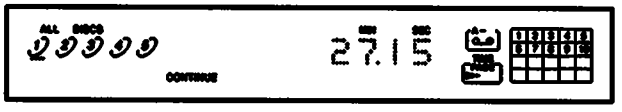
2-A



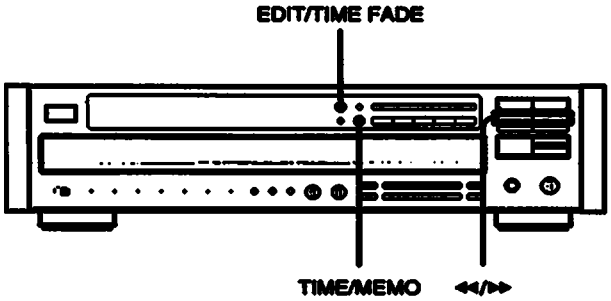


2-B





3



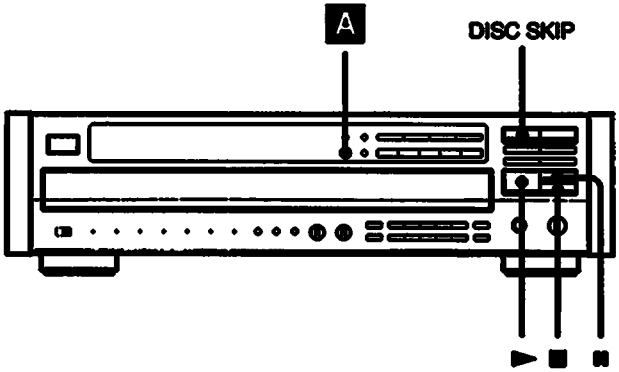
Fading Out at the Desired Time

When a disc ends before the specified time
The time fade function remains effective. You can change discs and continue playing until the specified time is up.

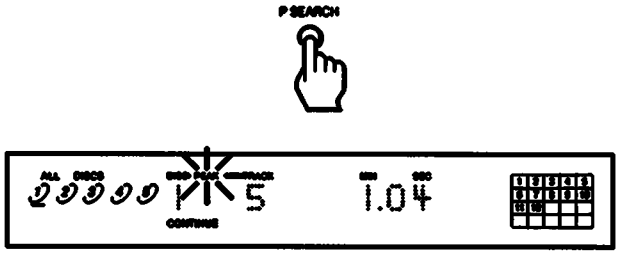
To cancel time fade
Press EDIT/TIME FADE once again, or press ◀◀ or ▶▶ during play.

To display the time remaining until the time set
Press TIME/MEMO (or TIME on the remote commander) twice.

Locating the Loudest Portion of the Disc – Peak Search



A



You can locate the portion with the highest input level of the disc to adjust the recording level.

This function – Peak Search works as follows:

Continuous or shuffle play mode
- Searches all selections of the disc which is ready to be played

Program (Bank) play mode
- Searches all programmed selections

Unless you are using program play mode, the player will scan only the disc ready to be played, even in ALL DISCS mode.

Playing Peak Search A

Press P.SEARCH during stop. "PEAK" flashes in the display. All the selections in the disc or program will be searched automatically. "–PEAK–" appears and the loudest portion will play repeatedly for 4 seconds. Adjust the recording level on your tape deck according to the peak level.

To stop peak search

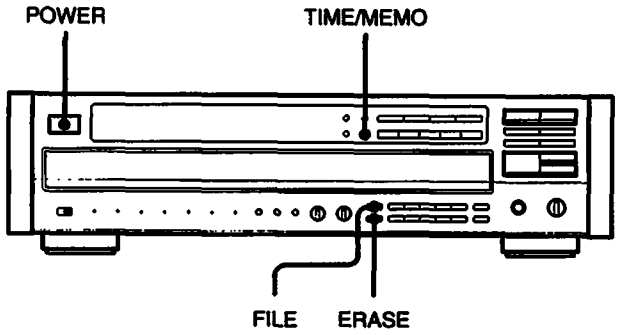
Press ■.
Press ▶ to start play from the beginning of the disc.
Press ❚❚ to pause at the first selection.
"PEAK" will disappear from the display.

To go to another disc

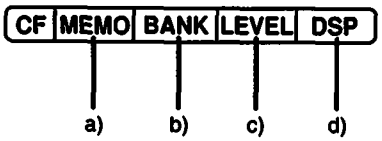
Press DISC SKIP during stop.

Note on Peak Search

The unit scans input levels of the whole disc and determines the peak (maximum input level) among them. The peak determined with this function is sometimes slightly different from the real one. In addition, portions determined as a peak vary each time this function is carried out on the same disc. The difference between the determined and the real peak is however, negligible and will not prevent you from adjusting the recording level.



A



Custom Files

The player has a memory in which you can store four types of information, called "custom files" – Disc Memo, Bank, Level File and DSP File. You can store custom files for up to 184 discs.

A Lights up when:
a) A Disc Memo is stored.
b) A Bank is stored.
c) A Level File is stored.
d) A DSP File is stored.

Where are custom files stored?

Custom files are stored in the player's memory, not in the disc. So you cannot enjoy custom files with other players. Custom files are retained for approximately 1 month without AC power.

To check the items in the custom files

Press TIME/MEMO without the disc(s) loaded (while "–NO DISC–" appears). Each time you press TIME/MEMO, the items in the custom files and the items in each column of CF MEMO BANK LEVEL DSP for the disc appear.

To clear all custom files on one disc

Each time you press TIME/MEMO while "–NO DISC–" appears in the display, the contents of disc memos and the items in custom files appear. When a disc memo is assigned to a disc, you can see these displays even if there is no disc in the player. When the display which you want to clear appears, press ERASE. All the custom files on the disc are cleared and "FILE ERASE" will appear in the display.

When the memory for custom files is full

"FILE FULL" appears when FILE is pressed and no custom file can be stored for the disc ready to be played in the player. To make a custom file for the disc, clear the custom file of another disc.

To clear custom files or to reset the memory of all discs

When the disc tray is empty, while holding down ERASE and FILE, press POWER to turn on the player. "ALL ERASE" appears in the display.

Assigning a Name to a Disc

Using the disc memo function, you can assign a name of up to 10 letters to each disc. The name appears in the display every time you load the disc in the player. "–NO DISC–" can be changed to another indication.

Assigning a Disc Memo to Your Disc

1 Place the disc to which you want to assign a disc memo in the disc compartment in the front loading position, then press ⏏.

2 Input a disc memo.
You can assign a disc memo quicker by using the remote commander (see A. below). You can also input a disc memo during play.

A. Using the letter buttons on the remote commander

1) Press MEMO INPUT on the remote commander.
Each time you press MEMO INPUT, the display changes. Choose either letters or numbers.

2) Press the applicable letter button on the remote commander.
The cursor moves to the next letter.

To alternate the input of letters or numbers, press MEMO INPUT. To enter symbols, use the ◀◀/▶▶.

B. Using the ◀◀/▶▶

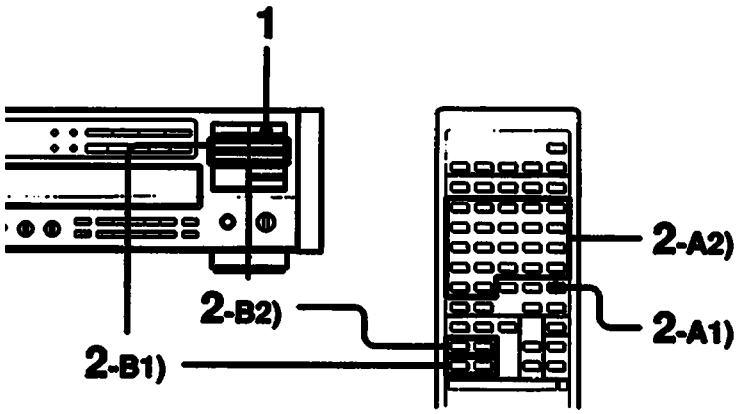
1) Press ◀◀ or ▶▶ during stop until the desired letter or symbol appears.
During play, press MEMO INPUT on the remote commander first.

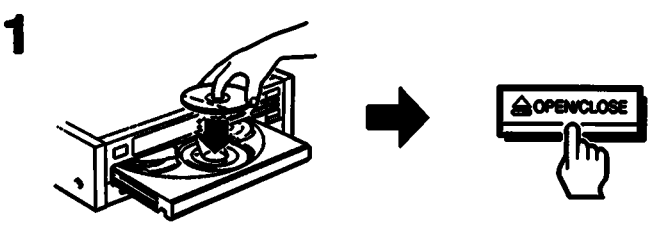
2) When the desired letter appears, press ▶▶I.
The cursor moves to the next letter.

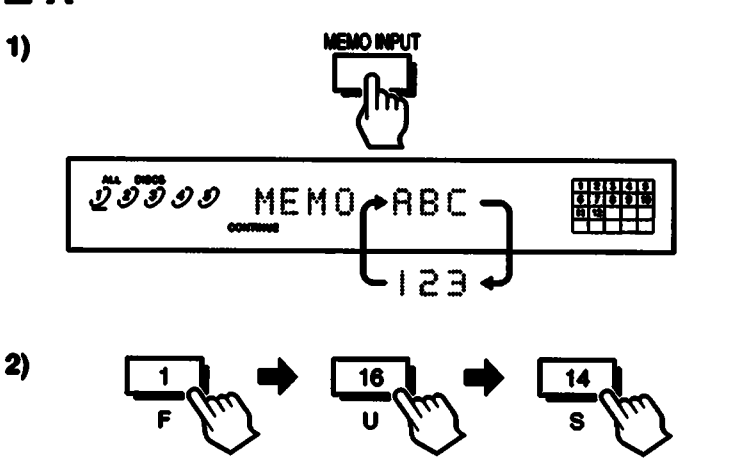
Available letters and symbols
When ◀◀/▶▶ is pressed for the first time, a space appears. Each time ▶▶ is pressed, letters and symbols will appear in the following order. Use ◀◀ to display the previous character.

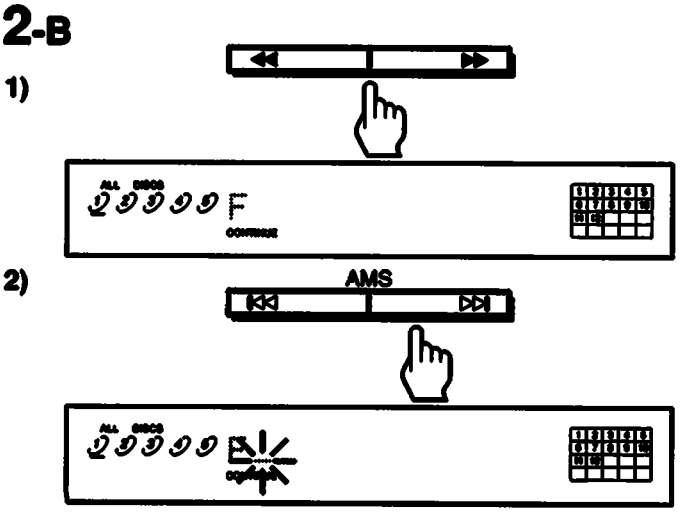
(Space) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z & ' ~ = [ ] < > ! ? . / + : , 9 8 7 6 5 4 3 2 1 0 -

(Continued)

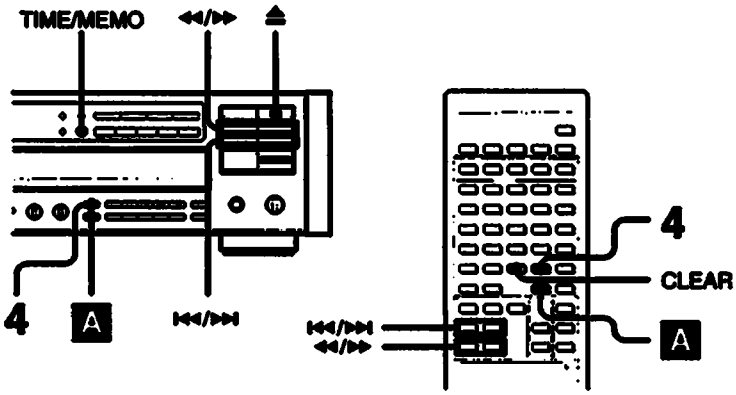








Assigning a Name to a Disc



3 Repeat step 2 to input your disc memo.
You can assign up to 10 letters.

4 Press FILE.
After "MEMO FILE" and "CF MEMO" appear for about one second, the memo you have input will appear.

Each time the disc is loaded in the player, the memo will appear.

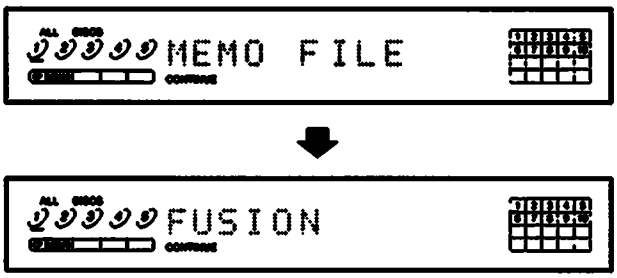
To display the memo for the disc being played

Press TIME/MEMO twice during shuffle, program or bank play and press three times during continuous play. To return to the normal display, press TIME/MEMO once more.

To rewrite a memo

- Before pressing FILE:
  By pressing I◀◀/▶▶I, move the cursor under the letter/symbol to be changed, then select the desired letter/symbol using ◀◀/▶▶ or letter buttons on the remote commander.
  To erase the letter and make a space, locate the desired place with the cursor and press CLEAR on the remote commander.
- After pressing FILE:
  Repeat from step 2 in this section.

4



A

Clearing the Disc Memo

1 Place the disc whose memo you want to clear in the disc compartment and press ⏏.
The memo will appear.

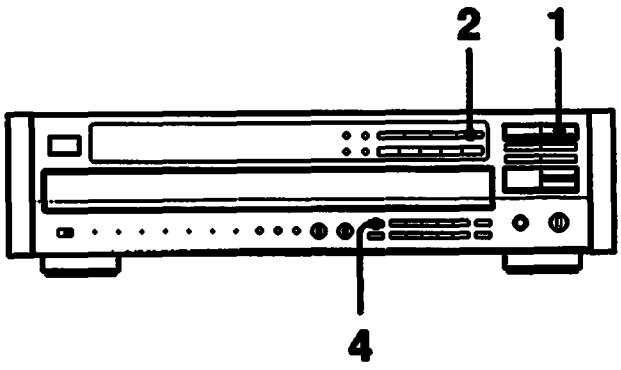
2 Press MEMO INPUT or ◀◀/▶▶.
The first letter in the memo flashes.

3 Press ERASE. ■
"FILE ERASE" appears and "CF MEMO" disappears from the display.

To assign names by referring to disc labels

You can assign names to discs while the disc tray is open. Repeat inputting a name and pressing DISC SKIP to select another disc, then press FILE to close the tray. The names for each disc are stored.

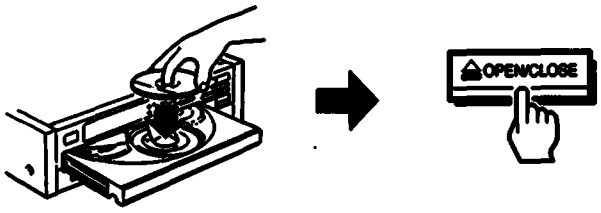
Keeping the Program in Memory



After programming selections, you can store the program in the player's memory so that the selections may always be played in their programmed order. The memorized program is called a "bank". You can store one bank for each disc in which up to 24 selections can be programmed.

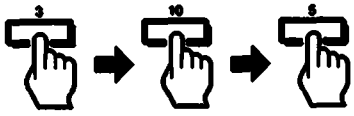
Memorizing a Program

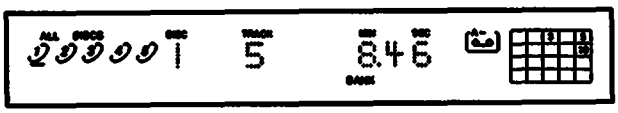
1 **Place discs in the disc compartments, then press ⏏.**



2 **Press BANK.**
"BANK" appears in the display.

3 **Program the selections as you want.**
(See page 18 for programming.)





4 **Press FILE.**
When "–FILE–" and "CF BANK" appear, the program is memorized to the bank.

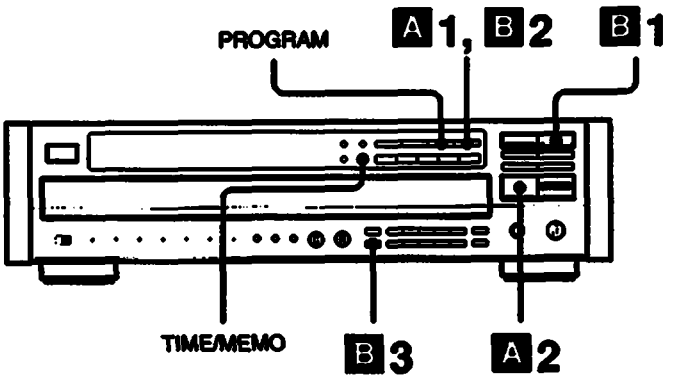
To change the bank

Program the selections again and press FILE.

Notes

- You cannot program a whole disc under a single program number.
- To pause during bank play, press ⏸ in step 3.
- To check the bank stored for a disc, press DISC 1-5 during stop.

Keeping the Program in Memory



Playing a Disc Using the Bank A

1 Press BANK to choose "1 DISC" or "ALL DISCS".

2 Press ▶.

- When playing in ALL DISCS mode, the discs in the player are played consecutively. If a disc has a bank, the selections on the disc are played in the programmed order. If a disc does not have a bank, all the selections on the disc are played in the orginal order.
- If you choose "1 DISC", press DISC1-5 corresponding to the disc you want to play.

To play the selections in another program without clearing the bank

Place the disc in the disc compartment and press ⏏. Press PROGRAM to program the selections as you want, and press ▶. The disc will be played in the newly programmed order. The original bank will not be cleared. (Press TIME/MEMO to check the bank.)

To play a disc having a bank in other modes

Place the disc in the disc compartment and press ⏏. Set the player in the desired play mode and press ▶.

Clearing the Bank B

1 Place the disc whose bank is to be cleared in the disc compartment and press ⏏.

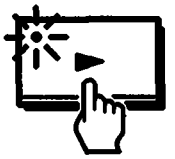
2 Press BANK.

3 Press ERASE.
"FILE ERASE" appears and "CF BANK" disappears.
The bank is cleared.

A

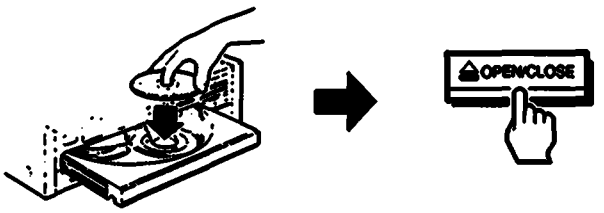
1

2



B

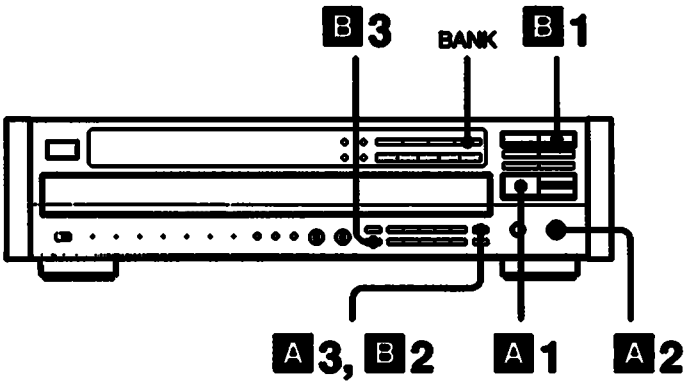
1



2

3

Storing an Optimum Playback Level for Each Disc

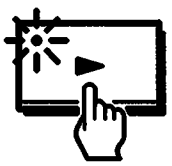


The player can memorize an optimum playback level for each disc. Each time you play a disc, the volume will be set to the level memorized for that disc. This function can be used when the amplifier is connected to the VARIABLE LINE OUT terminals or when headphones are used.

Memorizing an Optimum Playback Level A

A

1



2

3

1 **Press ▶.**

2 **Adjust to the desired playback level.**

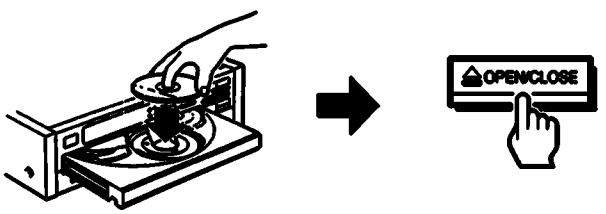
3 **Press LEVEL FILE.**
"LEVEL FILE" and "CF LEVEL" appear in the display.
The playback level is memorized.

When you have changed the playback level
Press BANK during stop. The LINE OUT/PHONE LEVEL will be automatically reset to the memorized playback level.

Clearing the Level File B

B

1



2

3

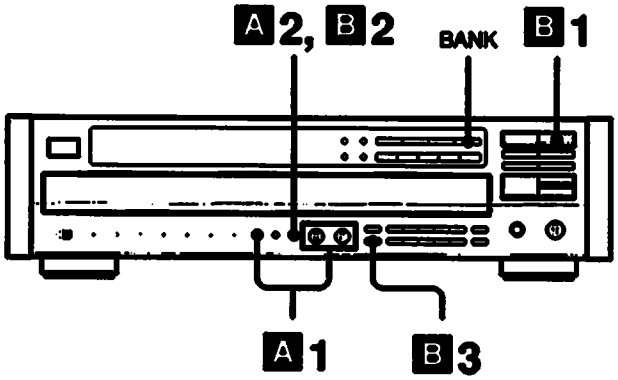
1 **Place the disc whose level file is to be cleared in the disc compartment and press ⏏.**

2 **Press LEVEL FILE.**

3 **Press ERASE while "LEVEL FILE" appears.**
"FILE ERASE" appears and "LEVEL" disappears.

Note on Level File
This function cannot be operated when you use the DIGITAL OUT (OPTICAL) connection.

Memorizing a DSP Mode



The DSP mode, as well as the EQUALIZER and REVERB settings, can be stored for each disc. When you load a certain disc with a DSP file, the specified DSP mode will be set automatically.

Making a DSP File A

1 Select the desired DSP mode.
Adjust the EQUALIZER and REVERB controls if necessary.
See page 16.

2 Press DSP FILE.
"DSP FILE" and "CF DSP" appear in the display.
DIRECT mode also can be memorized.

Playing the disc using the DSP file

Each time a disc is loaded in the player, the specified DSP mode will automatically be set to play.

To change DSP mode without erasing the DSP file

Change the DSP mode as you like and play. To recall the DSP file, press BANK.

To change DSP files

Select a new DSP mode. Press DSP FILE while the DSP indicator is lit. The new DSP mode will be stored in the DSP file.

Clearing a DSP File B

1 Place the disc whose DSP mode is to be cleared in the disc compartment and press ⏏.

2 Press DSP FILE.
"DSP FILE" appears in the display.

3 Press ERASE while "DSP FILE" appears.
When "FILE ERASE" appears and "CF DSP" disappears, the DSP file has been cleared.

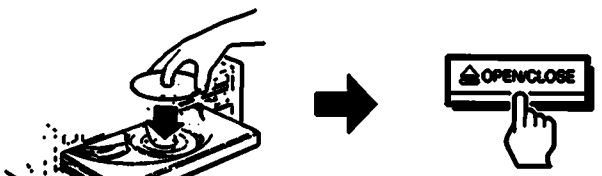
A

1

2

B

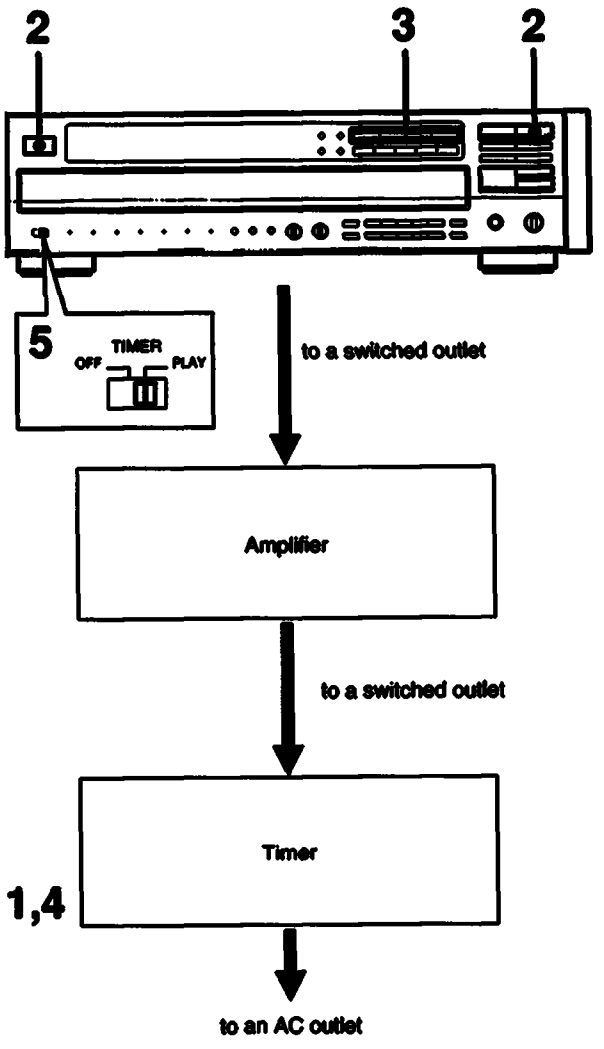
1



2

3

Timer Activated Playing



You can start playing the disc at any desired time by connecting a commercially available timer.

Connecting and Operating

1 **Connect the timer to this unit and turn on the timer.**

2 **Turn on this unit and place discs in the disc compartments, then press ⏏.**

3 **Set a desired play mode.**

Continuous play mode
The first selection on the current disc starts playing.

Shuffle play mode
A random selection starts playing. You cannot specify the selection.

Program (Bank) play mode
The first selection programmed in the bank stored for the disc starts playing. To activate program play by the timer, make a bank beforehand.

4 **Set the timer to a desired time.**

5 **Set the TIMER switch to PLAY position.**
Play will start at the registered time.

Keep the POWER switch depressed on this unit

When the timer is set, the power of this unit will be cut off. When the set time comes, this unit will be switched on and play will start.

When timer-activated play ends

Be sure to set the TIMER switch to the OFF position. If the TIMER switch is left at the PLAY position, this unit will automatically start playing the next time the power is turned on.

Specifications

Compact Disc Player

System	Compact disc digital audio system
Laser	Semiconductor laser
Wavelength	780 - 790 nm
Frequency response	2 Hz - 20 kHz (±0.3 dB)
Signal to noise ratio	More than 116 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0023% (1 kHz)
Channel separation	More than 110 dB (1 kHz)

Outputs

LINE OUT (FIXED) (phono jacks)	Output level 2 V (at 50 kilohms, non-DSP mode) Load impedance over 10 kilohms
LINE OUT (VARIABLE) (phono jacks)	Output level max. 2 V (at 50 kilohms, non-DSP mode) Load impedance over 10 kilohms
DIGITAL OUTPUT (OPTICAL) (optical output connector)	Wave length 660 nm Output level –18 dBm
PHONES (stereo phone jack)	Output level max. 15 mW Load impedance 32 ohms

General

Power requirements	120 V AC, 60 Hz
Power consumption	23 W
Dimensions (w/h/d)	Approx. 470 × 125 × 385 mm (18 5/8 × 5 × 15 1/4 inches) Including projecting parts and controls
Mass (approx.)	CDP-C801ES 9.1 kg (20 lbs 1 oz) CDP-C701ES 8.7 kg (19 lbs 3 oz)

Remote Commander RM-D601

Remote control system	Infrared control
Power requirements	3 V DC with two size AA batteries (IEC designation R6)
Dimensions	62 × 20 × 175 mm (w/h/d) (2 1/2 × 13/16 × 7 inches)
Mass (approx.)	130 g including batteries (4.6 oz)

Design and specifications are subject to change without notice.

Troubleshooting

Before going through the check list below, first refer back to the applicable connections and operating procedures.
Should problem persist after you have checked these items, consult your nearest Sony service facility.

Symptom	Cause	Remedy
The disc tray does not close.	The disc is not placed correctly.	Place the disc correctly on the disc tray.
Play does not start.	The disc is dirty.	Clean the disc.
	The disc is inserted upside down.	Insert the disc with the printed side up.
	The player is in pause mode.	Press ▶ or ⏸ to release pause.
	Moisture has condensed.	Leave the player on for approximately one hour.
Play begins by turning on the power.	The TIMER switch is set to PLAY.	Set the TIMER switch to OFF.
No sound is heard.	There is a loose connection.	Insert the plug firmly.
	The connection is incorrect.	Check the connection referring to "Hooking up the system".
	The LINE OUT/ PHONE LEVEL (or LINE OUT LEVEL +/– on the remote commander) control is set to the minimum.	Turn the control clockwise.
Play does not begin from the first selection.	The player is in program or shuffle play mode.	Press CONTINUE.
Two or more discs cannot be played consecutively.	The player is in the 1 DISC mode.	Press CONTINUE to choose ALL DISCS mode.
"–OVER–" is displayed.	▶▶ was continuously pressed at the end of the disc.	Press ◀◀ or I◀◀ to return to the normal indication.
The remote commander does not operate this unit.	The batteries are run down.	Replace both batteries.
	The remote commander is not pointed at the remote sensor.	Point the remote commander at the sensor.
	There is an obstacle between the remote commander and this unit.	Remove the obstacle.
	The remote commander is too far from this unit.	Move it closer.